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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | | |
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| (to be used for all correspondence after initial filing) | Application Number | 10/586,245 |
| | Filing Date | July 11, 2006 |
| | First Named Inventor | VEIGA CHACON et al. |
| | Art Unit | Not Yet Assigned |
| | Examiner Name | Not Yet Assigned |
| Total Number of Pages in This Submission | Attorney Docket Number | 5352-104 US |

ENCLOSURES (Check all that apply)

| | | |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement | | Remarks 1. Information Disclosure Statement (2 pages) 2. PTO-1449 (2 pages) 3. Five (5) separate references |
| <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|--|----------|--------|
| Firm Name | Mathews, Shepherd, McKay & Bruneau, P.A. | | |
| Signature | | | |
| Printed name | Diane Dunn McKay, Esq. | | |
| Date | January 12, 2007 | Reg. No. | 34,586 |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

| | | | |
|-----------------------|---|------|------------------|
| Signature | | | |
| Typed or printed name | Diane Dunn McKay, Esq. Reg. No., 38,586 | Date | January 12, 2007 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket No. 5352-104 US

The undersigned certifies that this communication is being deposited with the United States Postal Service as prepaid first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 12, 2007.


Diane Dunn McKay, Esq.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer No.
VEIGA CHACON et al. : 26817
Serial No. 10/586,245 : Group Art Unit: Not Yet Assigned
Filed: July 11, 2006 : Examiner: Not Yet Assigned
Title: GENERATION OF SPECIFIC ADHESION : Confirmation No. Not Yet Assigned
IN GRAM-ADHESION BACTERIA BY MEANS :
OF ANCHORING IMMUNOGLOBULIN
SINGLE AUTOTRANSPORTERS

x

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, Applicant hereby brings to the attention of the United States Patent and Trademark Office the following documents of which Applicant has been made aware. The documents are listed on the attached PTO Form 1449.

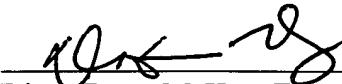
Pursuant to the OG Notice of August 5, 2003 for U.S. national applications filed after June 30, 2003, the requirement for submitting a copy of each cited U.S. patent and each cited U.S. patent application publication as this requirement is waived, copies of the U.S. patents and U.S. patent application publications are not submitted. Copies of foreign patent documents and non-patent literature, if cited, are enclosed.

Applicant submits that this Information Disclosure Statement is submitted prior to a first action on the merits.

It is requested that the references be considered by the Examiner and be made of record as part of the available prior art under 37 C.F.R. § 1.104.

Respectfully submitted,

Dated: January 12, 2007


Diane Dunn McKay, Esq.

Reg. No. 34,586
Attorney for Applicant

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O P E N
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

JAN 18 2007

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|---|------------------------------------|
| Docket Number (Optional) 5352-104 US | Application Number 10/586,245 |
| Applicant(s) VEIGA CHACON et al. | |
| Filing Date July 11, 2006 | Group Art Unit Not Yet Assigned |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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U.S. PATENT APPLICATION PUBLICATIONS

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FOREIGN PATENT DOCUMENTS

| REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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| | Veiga et al., "Neutralization of Enteric Coronaviruses with Escherichia Coli Cells Expressing Single-Chain Fv-Autotransporter Fusions", Journal of Virology, Vol. 77, No. 24, pp. 13396-13398, (2003) |
| | Veiga et al., "Autotransporters as Scaffolds for Novel Bacterial Adhesins: Surface Properties of Escherichia Coli Displaying Jun/Fos Dimerization Domains", Journal of Bacteriology, Vol. 185, No. 18, pp. 5585-5590, (2003) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | Docket Number (Optional) 5352-104 US | Application Number 10/586,245 | |
| | | Applicant(s) VEIGA CHACON et al. | | |
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| *EXAMINER INITIAL | OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | |
| | Veiga et al., "Probing Secretion and Translocation of a Beta-Autotransporter Using A Reporter Single-chain Fv as A Cognate Passenger Domain", Molecular Microbiology, Vol. 33, No. 6, pp. 1232-1243, (1999) | | | |
| | Conrath et al., "Camel Single-domain Antibodies as Modular Building Units In Bispecific and Bivalent Antibody Constructs", The Journal of Biological Chemistry, Vol. 276, No. 10, pp. 7346-7350, (2001) | | | |
| | Veiga et al., "Structural Tolerance of Bacterial Autotransporters for Folded Passenger Protein Domains", Molecular Microbiology, Vol. 52, No. 4, pp. 1069-1080, (2004) | | | |
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